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EPMA-World Congress 2011

1st Congress-Day September 15th, Thursday

Satellite Symposia

Venue: University Bonn, Poppelsdorf, Nußallee 10

Welcome Address: Dr. V. Costigliola, President of EPMA

Educational Symposium

“Inflammation and Autoimmunity: Risk Assessment and Predictive Approaches through the Analytical Armamentarium”

Lecture Hall A, 1 pm - 3:30 pm

Chairmen: **Prof. Dr. S. Suchkov**
 Prof. Dr. T. Marshall

Brief Opening Ceremony	1.00 pm
Prof. Dr. S. Suchkov The I.M. Sechenov First Moscow State Medical University and Moscow State Medical & Dentistry University, Russia	
Introductory: The concept of predictive, preventive & personalised medicines as the concerted players in the advanced healthcare	1.05 pm
Prof. Dr. O. Golubnitschaja University of Bonn, Germany <i>Secretary-General, European Association for Predictive, Preventive and Personalised Medicine, EPMA, Brussels, Belgium</i>	
Predictive Medicine as being Illustrative: Antibodies as Tools to challenge for The New	1.30 pm
Prof. Dr. S. Suchkov The I.M. Sechenov First Moscow State Medical University and Moscow State Medical & Dentistry University, Russia Prof. Dr. A. Notkins NIH, Bethesda, MD, USA	
Predictive Medicine as being Illustrative: Interplay between Microbiome and the Host's Immunity as a Factor to be used for Prediction	2.00 pm
Prof. Dr. T. Marshall Murdoch University of Western Australia	
“Round-table” discussion	2.30 pm
Setting up a Section of the EPMA for young researchers, clinicians and medical students	3.00 pm
Prof. Dr. O. Golubnitschaja University of Bonn, Germany Secretary-General, EPMA	
Closing	3.30 pm

Posters related to the topic:

Features of the innate and adaptive immunity in patients with intracranial infectious and inflammatory diseases.

M. Sautin¹, N. Cherepakina², T. Bodrova³, S. Suchkov²

¹Peoples' Friendship University of Russia, Moscow, Russia; ²I.M. Sechenov First Moscow State Medical University, Moscow, Russia; ³Higher School of Economy, Moscow, Russia

Post-infectious clinical-immunological syndrome and its role in the state-of-the-art model of immunopathogenesis of chronic infectious diseases.

M.M. Agirov^{2,5}, J.A. Tabaksoeva², K.A. Akhmedilova², N.E. Cherepakina^{1,3}, Z.S. Shogenov², T.A. Bodrova⁴, S.V. Suchkov^{1,2}

¹I.M. Sechenov First Moscow State Medical University (FMSMU), Moscow, Russia; ²Russian State Medical University (RSMU), Moscow, Russia; ³Federal Agency of Medical and Biological Problems under the Government of the Russian Federation, Moscow, Russia; ⁴Department of Economy of Health Services, The Higher School of Economy, Moscow, Russia; ⁵University of World Politics and Law, Faculty of Economy of Medical Technologies, Moscow, Russia

Antithyroid autoantibody population as a source of antibody specificity and functionality: clinical significance of the phenomenon of the serological orchestra in monitoring of patients with Graves' disease.

Z.I. Bogatyreva¹, A.V. Andreeva, E.N. Suchkova, A.L. Notkins, S.V. Suchkov

¹University of World Politics and Law, Faculty of Economy of Medical Technologies, Div of Endocrinology, Municipal Clinical Hospital №81, Moscow, Russia; ²Department of Endocrinology, AGMA and Alexandro-Mariinskay Clinical Hospital, Astrakhan, Russia; ³Dept of Endocrinology and Diabetology, and the Dept of Clinical Immunology, MGMSU, Moscow, Russia; ⁴National Institutes of Health, Bethesda, MD, USA

Associative correlation between clinical manifestations of PICIS and CRID: modern trends in the pre-early diagnostics.

K.A. Akhmedilova², M.M. Agirov², J.A. Tabaksoeva², N.E. Cherepakina^{1,3}, T.A. Bodrova⁴, Z.S. Shogenov², S.V. Suchkov^{1,2}

¹I.M. Sechenov First Moscow State Medical University (FMSMU), Moscow, Russia; ²Russian State Medical University (RSMU), Moscow, Russia; ³Federal Agency of Medical and Biological Problems under the Government of the Russian Federation, Moscow, Russia; ⁴Department of Economy of Health Services, The Higher School of Economy, Moscow, Russia

**Welcome Address: Prof. Dr. O. Golubnitschaja,
Secretary-General of EPMA**

Individualised Nutrition in Preventive and Personalised Medicine

Lecture Hall B, 1 pm – 3:30 pm

Chairman: Prof. Dr. G.M. Trovato, University of Catania, Italy

Speakers:

- Prof. Dr. I. Huybrechts, Faculty of Medicine, Ghent University. **Food intake of European adolescents. Guidelines, adherence and compliers' biomarkers.**
- Dr. J. Twigt, Erasmus University Medical Center, Rotterdam, The Netherlands. **Preconception nutritional and lifestyle counseling applied in a tertiary clinical setting, uptake of advice and the association with IVF/ICSI treatment outcomes.**
- Prof. Dr. G. Carruba, Department of Oncology, ARNAS-Civico, Palermo, Italy. **A traditional Mediterranean diet changes metabolic profiles of endogenous hormones and reduces cancer risk: the evidences.**
- Prof. Dr. P. Toniolo, Division of Epidemiology, Obs-Gyn, NY School of Medicine, NY University, New York, USA. **Nutrition and cancer trends.**
- Prof. Dr. D. Catalano, University of Catania, Italy. **Tailored dietary prescription and Clustering of Clinical training, skills and expertise.**
- Dr. F. M. Trovato, University of Catania, Italy. **Dietary profile and physical activity assessment: a step toward a personalized approach.**
- Dr. C. Pirri, University of Catania, Italy. **Nutritional EBM approaches in the most common challenges and disease.**
- Dr. N. Shapira, Medical & Functional Nutrition, R&D Foods & Diets, Institute for Nutrition Research, Rabin Center, Beilinson Hospital. Petach-Tikva, Israel. **Higher women risk vs. men's advantage with high Omega-6 PUFA intake: a gender paradox hypothesis**

Panel Discussion

Moderator: Prof. Dr. G.M. Trovato, University of Catania, Italy

Closing remarks: Prof. Dr. G.M. Trovato, University of Catania, Italy. **The need of nutritional paradigms and the use of e-learning tools in Medical Curricula and Training**

EPMA / Springer

Education in Predictive, Preventive and Personalised Medicine

Lecture Hall A, 4 pm – 6 pm

Chairmen: Dr. V. Costigliola, President of EPMA
Dr. P. Butler, Editorial Director, Biomedicine, Springer

Speakers:

- Dr. P. Butler, Editorial Director, Biomedicine, Springer
- Dr. M. Roelandse, Associate Editor, Biomedical Unit, Springer
- Dr. M. Karlikova, Charles University in Prague, Medical Faculty in Pilsen, Czech Republic

Panel Discussion

Moderator: Prof. Dr. O Golubnitschaja, Editor-in-Chief, *The EPMA J.* & Book-Series “Advances in PPPM”, EPMA / Springer

Panellists:

- Prof. Dr. M. Mozaffari, Associate Editor, *The EPMA J.* & Book-Series “Advances in PPPM”
- Dr. S. Mandel, Associate Editor, *The EPMA J.* & Book-Series “Advances in PPPM”
- Prof. Dr. D. Desiderio, Associate Editor, *The EPMA J.*
- Prof. Dr. H. Iso, Associate Editor, *The EPMA J.*
- Prof. Dr. M. Scarpa, Associate Editor, *The EPMA J.*
- Prof. Dr. O. Topolcan, Charles University in Prague, Medical Faculty in Pilsen, Czech Republic

2nd Congress-Day, September 16th, Friday

**Venue: Parliament of Federal Republic of Germany – Bundeshaus
Platz der Vereinigten Nationen 2**

Congress Opening Ceremony

9am – 9:20am

Welcome Address:

- **Congress Organisers –** **Prof. Dr. O. Golubnitschaja
Dr. V. Costigliola**
- **Lord Mayor of Bonn –** **Mr. J. Nimptsch**
- **Rector of the University of Bonn –** **Prof. Dr. J. Fohrmann**

Specialised Sessions

Healthcare in overview across the globe

9:30 am – 12:00 am

Chairman: Prof. Dr. O. Golubnitschaja, Secretary-General of EPMA

Speakers:

- Prof. Dr. F. Paul, National Representative of EPMA in Germany
- Dr. K. Grosios, National Representative of EPMA in UK
- Prof. Dr. H. Iso, National Representative of EPMA in Japan
- Dr. M. Kapalla, National Representative of EPMA in Slovak Republic
- Prof. Dr. K. Richter, National Representative of EPMA in Macedonia
- Dr. D. Dimitrov, National Representative of EPMA in Bulgaria
- Prof. Dr. M. Dündar, National Co-Representative of EPMA in Turkey

Panel Discussion

Moderator: Dr. V. Costigliola, President of EPMA

Panellists:

- Dr. A. Benini, Missionary of the Organisation of United Nations
- Dr. R. Maksimovic, Missionary of the World Health Organisation
- Dr. P. Bilinski, Chief of Sanitary Inspector responsible for public health in Poland
- Mr. A. Prakash, Minister of Health, Kerala State, India
- Prof. Dr. S. Suchkov, on behalf of Government, Russia
- Prof. V. Paunescu, the Presidency health politics counsellor, Romania

Lunch: 12am – 1pm

National & International Granting Strategies in PPPM
Innovative Programmes
Economy of Personalised Medicine

1 pm – 2:20 pm

Chairman: Prof. Dr. O. Golubnitschaja

Speakers:

- Prof. Dr. M. Goldman, Director, Innovative Medicines Initiative, EU-Commission, Brussels, Belgium
- Dr. C. Longson, Director, National Institute for Health & Clinical Excellence, UK
- Dr. L. Kristiansen, Medical Sciences, European Science Foundation, Strasbourg, France
- Prof. Dr. Paltsev, Vice-Director of the I. Kurchatov National Center for Science and Technologies, Russia
- Dr. J. Greuel, Adjunct Professor of Finance & Healthcare Management IE Business School, Madrid, Spain / Managing Director, Bioscience Valuation BSV GmbH, Germany

Panel Discussion

Moderator: Prof. Dr. M. Ferrari, President of EUSPM

Panellists:

- Dr. J.-L. Sanne, Directorate for Personalised Medicine, EU-Commission, Brussels, Belgium
- Prof. A. Streinu Cercel, Ministry Secretary of State, Ministry of Health, Romania
- Speakers

Patient Needs
Challenges for Stakeholders
in Predictive, Preventive & Personalised Medicine
2:30 pm – 4:00 pm

Chairman: Prof. Dr. M. Scarpa, “Brains for Brain” Research Foundation

Speakers:

- Mr. M. Hadder, NRW-Representative, German Federation of Diabetics, Germany
- Mr. J. Bowis, President of *Health First Europe*, Vice-President of the *European Health Forum Gastein*, Chairman of the Health Advisory Board of *GlaxoSmithKline*

Panel Discussion

Moderator: Dr. G. Vittadini, Director of Technology Opportunities, *Bracco Imaging*

Panellists:

- **General Practitioners:** Dr. V. Costigliola, President of EPMA
Dr. J. Mendive, National EPMA-Representative in Spain
- **ESR:** Prof. Dr. M. Reiser, past President of ESR, Dean of the Medical Faculty, Ludwig Maximilians University Munich, Germany
- **Industry:** Dr. A. Jansen, Director, *DiaDexus*
- **Insurance:** Dr. L. Duta, the National Insurance House President, Romania

Innovative PPPM-Centres
Overall Concept
Medical Imaging for Disease Prediction and Prevention
Innovative Diagnostic Tools
New Perspectives in Healthcare
4:10 pm – 5:20 pm

Chairman: Prof. Dr. G. Frija, Hopital Européen Georges Pompidou in Paris, France,
Vice-President of the European Society of Radiology

Speaker:

Prof. Dr. G. P. Krestin, Erasmus MC, University Medical Centre Rotterdam, The Netherlands;
Vice-President of the European Society of Radiology

Panel Discussion

Moderator: Prof. Dr. O. Golubnitschaja, Molecular Diagnostics, University of Bonn,
Germany

Panellists:

- **General practitioners:** Dr. V. Costigliola, Brussels, Belgium
- **Laboratory Medicine:** Dr. M. Pelsers, “Laboratory Stein GmbH”, Germany
- **Bioinformatics:** Dr. M. Kapalla, Faculty of Medicine, Comenius University, Bratislava, Slovakia; Negentropic Systems, s.r.o, Ruzomberok, Slovakia
- **Medical Imaging:** Prof. Dr. G. Krestin, Prof. Dr. G. Frija, the European Society of Radiology
- **Innovative molecular diagnostic tools:**
 - Prof. Dr. Ch. Gerner, Cancer Proteomics, University of Vienna, Austria
 - Dr. Th. Joos, NMI, Germany
 - Dr. K. Krapfenbauer, Boehringer Ingelheim, Vienna, Austria
 - Dr. P. Schulz-Knappe, Protagen GmbH, Germany

Education
in Predictive, Preventive & Personalised Medicine:
Challenges
Innovative Programmes
Didactic Materials
5:30 pm – 6:30 pm

Chairman: Prof. Dr. H.H. Schild, Head of the Radiological Clinic, University of Bonn, Germany

Speakers:

- Dr. J. Delgado, Head of Unit Vocational Education and Training Policy, Leonardo da Vinci Programme, EU-Commission, Brussels, Belgium
- Dr. P. Butler, Editorial Director, Biomedicine, Springer

Panel Discussion

Moderator: Prof. Dr. O Golubnitschaja, Editor-in-Chief, *The EPMA J.* & Book-Series “Advances in PPPM”, EPMA / Springer

Panellists:

- Dr. V. Costigliola, Associate Editor, *The EPMA J.* & Book-Series “Advances in PPPM”
- Prof. Dr. M. Mozaffari, Associate Editor, *The EPMA J.* & Book-Series “Advances in PPPM”
- Dr. S. Mandel, Associate Editor, *The EPMA J.* & Book-Series “Advances in PPPM”
- Prof. Dr. D. Desiderio, Associate Editor, *The EPMA J.*
- Prof. Dr. H. Iso, Associate Editor, *The EPMA J.*
- Prof. Dr. M. Scarpa, Associate Editor, *The EPMA J.*
- Prof. Dr. O. Topolcan, National Representative of EPMA in Czech Republic

Congress dinner: Rhine-river cruise, 7pm – 10pm

3rd Congress-Day, September 17th, Saturday

Venue: University Bonn, Poppelsdorf, Nußallee 10

Specialised Session

Predictive, Preventive and Personalised Medicine in Cancer
Lecture Hall A

9:00 am - 12:00 am

Chairmen: Prof. Dr. D. Desiderio, University of Tennessee Health Science Center, Memphis, USA
 Prof. Dr. D. Characiejus, Medical Faculty, Vilnius University, Lithuania

Keynote Speakers:

- Prof. Dr. D. Characiejus, Medical Faculty, Vilnius University, Lithuania. **"First Do No Harm" and the Importance Of Prediction in Oncology.**
- Dr. X. Zhan, University of Tennessee Health Science Center, Memphis, USA. **The Use of Variations in Proteomes to Predict, Prevent, and Personalize Treatment for Clinically Nonfunctional Pituitary Adenomas.** (*awarded article, The EPMA J.*)
- Dr. Ch. Swanton, Translational Cancer Therapeutics Laboratory, London, UK. **Personalised treatment approaches in cancer.**

Short oral presentations:

- Dr. M. Mallmann, University of Bonn, Germany, **Prediction and Prognosis in Breast cancer.** (*awarded article, The EPMA J.*)
- Prof. Dr. Ch. Gerner, Department of Medicine I, Medical University of Vienna, Vienna, Austria. **Early cancer diagnosis and novel therapeutic options resulting from systematic proteome profiling of tumour-associated stroma cells.**
- Dr. A. González Neira, Spanish National Cancer Research Centre (CNIO), Madrid, Spain, EPMA-Spain. **Pharmacogenomics in Cancer Therapy**
- Prof. Dr. U. Rovigatti, University of Pisa, Italy. **PPPM Early in Life: Molecular and Epidemiological Models from Paediatric Cancer.**
- Dr. E. Moiseeva, Institute of Bioorganic Chemistry, Moscow, Russian Federation. **Towards Personalised Paradigm of Experimental Anticancer Research With "3S" Concept**
- Prof. Dr. M. Pesta, Department of Internal Medicine, Faculty of Medicine in Pilsen, Charles University in Prague, Czech Republic; **Prognostic significance of miR-21 and miR-143 expression in tissue samples of Colorectal Carcinoma and Colorectal liver metastases.**
- Dr. S. Kovalenko, Institute of Molecular Biology and Biophysics, Novosibirsk, Russia, **VNTR at HER2/neu Gene Amplification Border in Breast Cancer – the "Weakest Link" in Gene Amplification?**

Panel Discussion

Moderator: Prof. Dr. L. Berliner, Weill Cornell Medical College of Cornell University, New York, USA

Panellists:

Prof. Dr. R. Danesi, University of Pisa, Italy

Speakers

Poster Overview: Dr. S. Hagan, Glasgow Caledonian University, Scotland, Editorial BOARD, *The EPMA J.*

Posters related to the topic:

Identification of Calponin-h2 as potential serum-based marker for the early diagnosis of breast cancer.

M. Debold¹, S. Franken², L.C. Heukamp³, A. Linke⁴, M. Wolfgarten¹, K.-J. Walgenbach¹, C. Rudlowski¹, S. Holdenrieder⁴, M. Braun¹, G. Hartmann⁴, W. Kuhn⁴, G. Walgenbach-Brünagel⁴

¹Department of Obstetrics and Gynecology, Centre for Integrated Oncology, University of Bonn, Germany;

²Institute for Biochemistry and Molecular Biology, University of Bonn, Bonn; ³Institute of Pathology, Centre for Integrated Oncology, University of Bonn, Germany; ⁴Institute for Clinical Chemistry and Clinical Pharmacology, Centre for Integrated Oncology, University of Bonn, Germany

Vitamin D and Cancer Diseases.

R. Fuchsova, O. Topolcan, P. Pazdiora, S. Svobodova, J. Vrzalova, G. Krakorova, M. Spisakova, V. Treska, I. Treskova, M. Pesek, J. Finek

Faculty Hospital and Medical Faculty in Pilsen, Charles University, Czech Republic

Multiplex panel for ovarian carcinoma.

J. Vrzalova^{1,3}, O. Topolcan^{1,3}, Z. Novotny², J. Presl², M. Pesta³

¹Immunoanalytic Laboratory, Dep. of Nuclear Medicine, Faculty Hospital in Pilsen; ²Dep. of Gyneacology, Faculty Hospital in Pilsen, Czech Republic; ³Central Isotopic laboratory, Fac. of Medicine in Pilsen, Charles University in Prague, Czech Republic

Cancer-associated immune-mediated syndromes: Pathogenic values and clinical implementation.

A.M. Merkulova¹, A.V. Kostalevskaya¹, S.V. Suchkov^{1,2}

¹I.M. Sechenov First Moscow State Medical University, Moscow, Russia; ²Moscow State Medical Dentistry University, Moscow, Russia

Incorporation of National Cancer Control Plane in Georgian Health Care System.

M. Maglakelidze, N. Jokhadze, T. Rukhadze, R. Gagua

National Cancer Center of Georgia, Association of Oncologists of Georgia

Specialised Session

Predictive Diagnostics and Personalised Medicine in Paediatrics

THE MODEL OF NEURODEGENERATIVE DISORDERS

Lecture Hall B

9:00 am - 12:30 am

9:00 –9.20 Prof. Dr. M. Scarpa, Prof. Dr. D. Begley UK, Chairmen

Keynote Lecture

- Mr. J. Bowis, OBE, UK. **Brain, rare neurological diseases and European health care systems.**

9.20 – 10.00 Theme 1 – Personalised Medicine for Brain Rare Diseases: The family expectation

- Mr. J. Green and B. Owen, Niemann Pick C International Association. **Living with a person affected by a rare disease: impact on the family and carers**
- Mrs. M. Baker, MBE – President EFNA. **Promoting awareness brain diseases in Europe: enabling the dialogue between science and society to prevent, predict, personalise the Medicine**
- Dr. G. Tsangaris, Greece, Biomedical Research Foundation, Academy of Athens. **Medical science and prevention of paediatric diseases.**

10.00-11.15 Theme 2 – Paediatric Personalised Medicine and Brain Rare diseases: The science effort

- Prof. Dr. O. Golubnitschaja, Secretary-General EPMA, Germany. **Birth asphyxia as the major complication in newborns: Moving towards improved individual outcomes by prediction, targeted prevention and tailored medical care.**
- Prof. R. Haseloff, Germany. **Prediction of Neurodegenerative disorders: The search for biomarkers.**
- Prof. F. Platt, UK. **Understanding pathogenesis: fundamental insights and new therapeutic opportunities.**
- Prof. A. Ceci, Italy. **The right therapy for the patients at the right moment: the scientist perspective**
- Dr. N. Barton, SHIRE. **The right therapy for the patient at the right moment: the Biotech effort.**

11.30-12.00 Discussion

12.00-12.20 keynote lecture

- Prof. T. Cox, UK. **The burden of neurological diseases of childhood in Europe: what is the future?**

Poster Overview: Prof. Dr. T. Rukhadze, University of Tbilisi, Georgia, Editorial BOARD, *The EPMA J.*

Closing remarks

Posters related to the topic:

Drugs may contribute oral-facial clefts in newborn baby.

N. Velickova, M. Gacova, N. Kamcev, B. Angelovska, C. Dimova
Faculty of medical science University “Goce Delcev” – Stip

Comparative study of allele frequencies of PAI-1, MTHFR, FV, FI and GpIIIa gene polymorphisms in children with Henoch–Schönlein purpura, Schamberg Disease and healthy children.

N.V. Shirinbekova, E.V. Voronina, A.N. Voitovich, V.I. Larionova
St. Petersburg State Pediatric Medical Academy, St. Petersburg, Russia

Anti-Streptolysin O (ASO) titer and anti-basal ganglia antibodies (ABGA) in a large cohort of Tourette patients: possible perspective of more targeted preventive and therapeutic approaches.

R. Rizzo¹, F. Chiarotti², M. Buttiglione³, F. Cardona⁴, M. Gulisano¹, N. Nardocci⁵, G. Orefici², E. Veneselli⁶, F. Vitiello³, D. Martino⁸

¹Child and Adolescent Neuropsychiatry, Materno-Infantile and Radiological Sciences Department, University of Catania, Italy; ²Istituto Superiore di Sanità, Rome, Italy; ³Dept. of Human Pharmacology and Physiology, Univ. of Bari, Italy; ⁴Department of Child and Adolescent Neuropsychiatry, University of Rome “La Sapienza”, Rome, Italy; ⁶Besta Neurological Institute, Milan, Italy; ⁷Istituto G. Gaslini, Genoa, Italy; ⁸Dep.of Neurol. And ,Psych. Sciences, Univ. of Bari, Italy

The personalized approach to drug dosing of Valproic Acid at women with epilepsy, who are carriers of mutations of Folate Cycle Genes.

D. Dmitrenko, M. Pilugina, N. Shnayder
Krasnoyarsk State Medical University named after Prof. V.F. Vojno-Jasenetsky, Krasnoyarsk, Russia

Lunch: 12 am – 1 pm

Specialised Session

Predictive, Preventive and Personalised Medicine in Cardiovascular Diseases

Lecture Hall A

1 pm – 3:45 pm

Chairmen: Prof. Dr. H. Iso, Osaka University, Japan
Prof. Dr. P. Evans, British Heart Foundation, Imperial College London, UK

Keynote Speakers:

- Prof. Dr. H. Iso, Osaka University, Japan. **PPPM in Cardiovascular Pathologies: Japanese health success in combating cardiovascular diseases.**
- Prof. Dr. P. Evans, British Heart Foundation Cardiovascular Sciences Unit, National Heart and Lung Institute, Imperial College London, UK. **The influence of Sulforaphane on vascular health and its relevance to nutritional approaches to prevent Cardiovascular Disease.**
- Prof. Dr. H. Rosolova, Charles University in Prague, Medical Faculty in Pilsen, Czech Republic, **Cardio-metabolic risk prediction should be superior to cardiovascular risk assessment in primary prevention of Cardiovascular Diseases.**
- Prof. Dr. J. Kastrup, The Heart Centre, Rigshospitalet University Hospital Copenhagen, Denmark. **Stem cells therapy for cardiovascular repair in ischemic heart disease: How to predict and secure optimal outcome?**
- Dr. A. Jansen, *DiaDexus*. **Cardiovascular risk assessment: view of industry.**

Short oral presentations:

- Dr. H. Yatsuya, Department of Public Health, Nagoya University Graduate School of Medicine, Japan. **Adiposity and cardiovascular disease risk in Japan: -- implications to public health screening program of obesity for the prevention of cardiovascular disease.**
- Dr. Y. Kokubo, Department of Preventive Cardiology, National Cerebral and Cardiovascular Center, Osaka, Japan. **Associations of impaired glucose metabolism and dyslipidemia with cardiovascular disease: What have we learned from Japanese cohort studies for individualized prevention and treatment?**
- Dr. K. Yamagishi, University of Tsukuba, Tsukuba, Japan. **N-terminal fragment of the prohormone brain-type natriuretic peptide (NT-proBNP) and cardiovascular risk factors amongst Japanese population: The Circulatory Risk in Communities Study.**
- Prof. Dr. J. Polivka, Faculty of Medicine of Charles University, Czech Republic. **Optimisation of Stroke Care in Concept of Predictive, Preventive and Personalised Medicine.**

Panel Discussion

Moderator: Prof. Dr. Ch. Gluud, Copenhagen University Hospital, Copenhagen, Denmark; Danish National Coordinator, ECRIN.

Panellists:

- Dr. E. Jorgensen, Copenhagen University Hospital, Copenhagen, Denmark
- Speakers

Poster Overview: Dr. A. Benini, University Copenhagen, Denmark, Editorial BOARD, *The EPMA J.*

Posters related to the topic:

The effect of Perindopril on Endothelin and Nitric Oxide Production and Circadian alteration of Cardiovascular Indicators in hypertensive rats.

T. Kezeli¹, N. Gongadze², G. Sukoian¹, N. Dolidze¹, T. Rukhadze¹

¹Department of Pharmacology, Faculty of Medicine, State University; ²Department of Pharmacology, State Medical University, Tbilisi, Georgia

AHSG gene polymorphism affects plasma levels of non-high-density lipoprotein cholesterol in Caucasians.

P. Suchanek^{1,2}, J.A. Hubacek^{1,2}, I. Kralova Lesna^{1,2}

¹Institute for Clinical and Experimental Medicine, Prague, Czech Republic; ²Cardiovascular Research Centre, Prague, Czech Republic

The effect of the supplementation omega 3 fatty acids to lipids and anthropometric parameters in the obese young volunteers.

P. Suchanek^{1,2}, J.A. Hubacek^{1,2,3}, I. Kralova Lesna^{1,2}, V. Pinekerova¹, R. Stupalova¹, N. Stankova¹

¹Institute for Clinical and Experimental Medicine, Prague, Czech Republic; ²Centre for Cardiovascular Research, Prague, Czech Republic; ³South Bohemia University, Faculty of Public Health and Social Studies, Ceske Budejovice, Czech Republic

Large Vessel Aneurisms in the Era of Genomics and Proteomics: Horizons of Predictive Medicine.

D.I. Cherepakhin⁴, Yu.V. Belov¹, E. Charchyan¹, S.V. Suchkov^{2,3}

¹B.V. Petrovsky Russian Research Center for Surgery (RRCS), Russian Academy of Medical Sciences, Moscow, Russia; ²I.M. Sechenov First Moscow State Medical University, Moscow, Russia; ³Moscow State Medical Dentistry University (MSMDU), Moscow, Russia; ⁴N.I. Pirogov Russian State Medical University (RSMU), Moscow, Russia

Predictive testing of thrombophilia-related genetic variations in the Czech population.

M. Koudová, R. Vlčková, M. Bittáová, M. Majer, I. Slepíčková, E. Lavická, M. Hlaváčová, G. Izrael, V. Indráková, J. Karas

GHC Genetics, s.r.o. - Private Medical Facility, Prague, Czech Republic

Specialised Session

Predictive, Preventive and Personalised Medicine in Neurodegenerative Diseases

Lecture Hall B

1 pm – 3:45 pm

Chairmen: Dr. S. Mandel, Technion, University of Haifa, Israel
Prof. Dr. A. Tasker, University of PEI, Prince Edward Island, Canada

Speakers:

- Prof. Dr. G. P. Krestin, Erasmus MC, University Medical Centre Rotterdam, The Netherlands. **Application of imaging in prediction, prevention and treatment monitoring of neurodegenerative diseases.**
- Dr. S. Mandel, Eve Topf Center for Neurodegenerative Diseases Research and Department of Molecular Pharmacology, Faculty of Medicine, Technion, Haifa, Israel. **Biomarkers for Prediction and Targeted Prevention of Alzheimer's and Parkinson's Diseases: Evaluation of Drug Clinical Efficacy.** (awarded article, *The EPMA J.*)
- Dr. I. Grossman, Cabernet Pharmaceuticals, USA, **Alzheimer's disease: diagnostics, prognostics and the road to prevention.** (awarded article, *The EPMA J.*)
- Prof. Dr. A. Tasker, Department of Biomedical Sciences, University of Prince Edward Island, Canada. **New animal models of progressive neurodegeneration: tools for identifying presymptomatic therapeutic targets.**

Short oral presentations:

- Dr. O. Weinreb, Eve Topf Centers of Excellence for Neurodegenerative Diseases Research, Rappaport Family Research Institute, Israel. **Technological Aspects of Personalized Approaches in Treatment of Amyotrophic Lateral Sclerosis.** (awarded article, *The EPMA J.*)
- Dr. K. Yeghiazaryan, Molecular Diagnostics, Department of Radiology, University of Bonn, Germany **Key molecular pathways affected by glaucoma pathology: Is predictive diagnosis possible?** (awarded article, *The EPMA J.*)
- Prof. Dr. F. Paul, Charité Berlin, Germany, **The role of optical coherence tomography in predicting and monitoring disease activity in MS.**

Panel Discussion

Moderator: Dr. I. Grossman, Cabernet Pharmaceuticals, USA

Panellists:

- Prof. Dr. L. Spiru, President "Ana ASLAN" International Foundation, Bucharest, Romania
- Prof. Dr. D. Muresanu, President of the Society for the Study of Neuroprotection and Neuroplasticity (SSNN), Romania
- Speakers

Poster Overview: Prof. Dr. F. Paul, Charité Berlin, Germany, Editorial BOARD, *The EPMA J.*

Coffee break: 3:45 – 4:15 pm

Specialised Session

Predictive, Preventive and Personalised Medicine in Diabetes Care

Lecture Hall A

4:15 pm – 7:00 pm

Chairmen: Prof. Dr. M. Mozaffari, Georgia Health Sciences University, Augusta, Georgia, USA
Prof. Dr. T. Josifova University Hospital Basel, Eye Clinic, Switzerland

Speakers:

- Dr. C. Sena, Medical Faculty, University of Coimbra, Portugal. **Potential new strategies in Diabetes therapeutics.** (awarded article, *The EPMA J.*)
- Dr. W. Abebe, Georgia Health Sciences University, Augusta, Georgia, USA, **Endothelial dysfunction in diabetes: potential application of circulating markers as advanced diagnostic and prognostic tools.** (awarded article, *The EPMA J.*)
- Prof. Dr. T. Josifova, University Hospital Basel, Eye Clinic, Switzerland **Visual Loss in Diabetic Patients – do we prevent it or do we treat only the complications?**
- Dr. S. Li Calzi, University of Florida, USA, **Endothelial progenitor dysfunction in the pathogenesis of diabetes retinopathy: treatment concept to correct diabetes-associated deficits.** (awarded article, *The EPMA J.*)
- Prof. Dr. J. Coelho, Department of Chemical Engineering, University of Coimbra, Portugal. **Drug delivery systems: Advanced technologies potentially applicable in personalized treatments.** (awarded article, *The EPMA J.*)

Short oral presentations:

- Dr. R. Krishna, Department of Periodontics, College of Dental Medicine, Augusta, USA. **Characteristics of inflammation common to both diabetes and periodontitis: are predictive diagnosis and targeted preventive measures possible?**
- M.Sc. M. Cebioglu, Molecular Diagnostics, Department of Radiology, University of Bonn, Germany. **Cancer predisposition in Diabetes: Risk factors considered for predictive diagnostics.** (awarded article, *The EPMA J.*)
- Prof. Dr. B. Baban, College of Dental Medicine, Georgia Health Sciences University, Augusta, Georgia, USA. **Inflammatory markers as potential predictive indicators for diabetic nephropathy.**
- Dr. D. Dimitrov, National Representative of EPMA in Bulgaria. **Bariatric Medicine: Multidisciplinary approach for obesity prevention.**
- Prof. Dr. V. Larionova, Russia, St. Petersburg State Paediatric Medical Academy, Saint-Petersburg, Russia. **Polymorphic genetic markers are of significance in developing of the diabetes mellitus type II in metabolic syndrome patients.**

Panel Discussion

Moderator: Prof. Dr. L. Salminen, Ophthalmologic Clinic, University of Tampere, Finland, National Representative of EPMA in Finland

Panellists: Speakers

Poster Overview: Prof. Dr. J. Coelho, Department of Chemical Engineering, University of Coimbra, Portugal, Editorial BOARD, *The EPMA J.*

Posters related to the topic:

Ankle – brachial index in type 2 diabetes patients and cardiovascular risk.

B. Nussbaumerova, H. Rosolova, F. Sefrna, I. Sipova, P. Sifalda

2nd Medical Department, Charles University in Prague - Medical Faculty in Pilsen, Czech Republic

Measurement of Angiogenesis Promoters and Cytokines Concentrations in Intraocular Fluid of Patients with Proliferative Diabetic Retinopathy for treatment tailoring possibility.

J. Vrzalova, M. Kozova, S. Rusnak, R. Ricarova, O. Topolcan

Immunoanalytic Laboratory and Eye Department of University Hospital and Medical Faculty in Pilsen, E. Benese 13, 305 99 Plzen, Czech Republic.

MSCs as tools for restoring morphofunctional deficiency and modulating immune responses at the preclinical stage of T1D: milestones and handicaps.

D.S. Kostyushev¹, M.A. Paltsev², S.V. Suchkov^{1,3}

¹I.M. Sechenov First Moscow State Medical University, Moscow, Russia; ²National Research Center “Kurchatov Institute”, Moscow, Russia; ³Moscow State Medical Dentistry University, Moscow, Russian

Association of ACE I and FABP2 genes polymorphism in cases with Type-2 Diabetes mellitus in Northern India.

F. Mahdi¹, D. Banerjee¹, N. Rizvi³, R. Sapkota², S. Saxena³, N.A. Khan², S.T. Raza¹

¹Era's Lucknow Medical College & Hospital, Lucknow, India; ²Baba Farid Institute of Technology, Dehradun, India; ³Amity Institute of Biotechnology, Amity University, Lucknow, India

Nutrition of patients with Diabetes mellitus type 2 in relation with smoking addiction – survey post-monica 2008/2009 in Czech Republic.

M. Galovcová, V. Adámková, R. Cífková, Z. Petržílková, J. Bruthans, V. Lánská

Department of Preventive Cardiology, Institute for Clinical and Experimental Medicine, Prague, Czech Republic

Specialised Session

Tailored Prevention:

Traditional Medicine, Personalised Nutrition, Body Culture & Sport

Lecture Hall B

4:15 pm – 7:00 pm

Chairmen: Prof. Dr. H. Boecker, University of Bonn, Germany
 Prof. Dr. P. Roberti di Sarsina, Non-Conventional Medicine, High Council of Health, Ministry of Health, Italy

Speakers:

- Prof. Dr. J. Ionescu, Research Department of the Spezialklinik Neukirchen, Germany; Department of Medical Nutrition, Donau-University Krems, Austria; Specialised Clinic Neukirchen, Germany. **Personalized anti-inflammatory nutrition for atopic eczema and psoriasis patients.**
- Dr. P. Roberti di Sarsina, Non-Conventional Medicine, High Council of Health, Ministry of Health, Italy. **Tailored prevention and individualised treatment by traditional medicine.**
- Dr. F. de Meester, DMF-PL, Gliwice, Poland. **Innovative PsychoSomatic Markers for prediction, prevention and personalised treatment of non-communicable diseases"**
- Prof. Dr. G. Trovato, Catania University, Italy. **Lifestyle in health and disease: Mediterranean diet as a paradigm of an EBM and PPPM approach.**
- Prof. Dr. K. Richter, Clinic for Psychiatry and Psychotherapy, Clinic Nuernberg & Faculty for social work, GSO University Nuernberg, Germany. **Shift Work and Breast Cancer.**

Short oral presentations:

- Dr. J. Kinkorova, Charles Univesity, Prague, Czech Republic, **Health – NCP –Net. Health NCP of the Czech Republic.**
- Prof. Dr. H. Boecker, Radiological Clinic, University of Bonn, Germany. **On the emerging role of neuroimaging in determining functional and structural brain integrity induced by physical exercise: impact for Predictive, Preventive, and Personalized Medicine.**
- Dr. T. Cesuroglu, Institute for Public Health Genomics, Maastricht University, The Netherlands. **Implementation of Personalized Health Care in Health Services in the Context of Public Health Genomics – Looking for the Broader Picture.**
- Dr. N. Moiseeva, I Belenova, A. Kunin, The Voronezh N.N.Burdenko, State Medical Academy, Russia. **Individual (personalized) caries prevention: strategy and tactics.**

Panel Discussion

Moderator: Prof. Dr. J. G. Ionescu, Specialised Clinic Neukirchen, Germany

Panellists:

Dr. R. Bubnov, Clinical hospital, State Affairs Department of Administration of the President of Ukraine, Kiev, Ukraine

Speakers

Poster Overview: Prof. Dr. G. Trovato, Catania University, Italy, Editorial BOARD, *The EPMA J.*

Posters related to the topic:

Predictive diagnostic value of biomarkers for Renal Failure in Medical Emergency Relationship of NGAL (Neutrophil Gelatinase Associated Lipocalin) with underweightness and malnutrition.

G.F. Martinez, C. Pirri, F. Trovato, S. Toro, A. Tonzuso, G. Carpinteri, D. Catalano, G. Trovato
MCAU e Diagnostica e Terapia Medica – Azienda Ospedaliero-Universitaria "Policlinico-Vittorio Emanuele",
Università di Catania, Italy

Tailored medical treatments in obesity. Adherence to the mediterranean diet promote a lower inflammatory profile and minor insulin resistance and lipid metabolic alterations.

C. Pirri, F.M. Trovato, A. Tonzuso, A. Pennisi, F.G. Martinez, G.M. Trovato, D. Catalano
Department of Internal Medicine, Medical Diagnostics and Therapy, University of Catania, Italy

Personalized nutritional approach as the core treatment for NAFLD. Greater adherence to mediterranean diet is a targeted prevention.

F.M. Trovato, C. Pirri, A. Tonzuso, A. Pennisi, F.G. Martinez, G.M. Trovato, D. Catalano
Department of Internal Medicine, Section of Medical Diagnostics and Therapy, University of Catania, Italy

AD36 human adenovirus seropositivity. A novel obesity biomarker associated with enhanced response to dietary interventions.

G.M. Trovato¹, G.F. Martinez, C. Pirri, F.M. Trovato, P. Pace, A. Tonzuso, A. Pennisi, S. Toro, D. Catalano
¹Department of Internal Medicine, Diagnostica e Terapia Medica, Facoltà di Medicina e Chirurgia, Università di Catania, Catania, Italy

A predictive diagnostic serological biomarker of NAFLD AD37 human adenovirus as a putative causative factor.

G.M. Trovato¹, G.F. Martinez¹, C. Pirri¹, F.M. Trovato¹, A. Castro², A. Garozzo², D. Catalano¹
¹Department of Internal Medicine, Diagnostica e Terapia Medica, Facoltà di Medicina e Chirurgia, Università di Catania, Catania, Italy; ²Department of Microbiological and Gynaecological Sciences, Facoltà di Medicina e Chirurgia, Università di Catania, Catania, Italy

Predictive value of dominant nodule in Hashimoto Thyroiditis. A clue for a personalized approach for greater risk of Papillary Thyroid Carcinoma.

G. Trovato, P. Amico, G.F. Martinez, M. Castaing, A. Torrisi, G.M. Vecchio, L. Salvatorelli, D. Catalano, G. Magro
Department G.F. Ingrassia, Anatomic Pathology, and Department of Internal Medicine, Diagnostica e Terapia Medica, "University of Catania, Catania, Italy

Uro-fecal disorders and dyspraxia. fMRI as an useful tool for personalized medicine. Preliminary results.

B. Ventimiglia, A. Tsirgiotis, S. Motta, T. Puglisi, G. Trovato
European Neurosciences Study Group, Servizio di Neuro Urologia ed Urodinamica Dipartimento delle Specialità Medico Chirurgiche, Università di Catania, Italy

Ayurveda, the Paradigm for Personalized Medicine.

A. Morandi^{1,2}, C. Tosto¹, D. Dalla Libera^{1,2,3}
¹Ayurvedic Point, C.so Sempione 63, 20149 Milan, Italy; ²SSIMA, Italian Scientific Society for Ayurvedic Medicine, C.so Sempione 63, 20149 Milan, Italy; ³IRCCS San Raffaele, DIMER, Dept of Neurology, Via Olgettina 48, 20132 Milan, Italy

Salutogenesis and Ayurveda: Indications for Public Health Management.

A. Morandi^{1,2}, D. Dalla Libera^{1,2,3}
¹Ayurvedic Point, C.so Sempione 63, 20149 Milan, Italy; ²SSIMA, Italian Scientific Society for Ayurvedic Medicine, C.so Sempione 63, 20149 Milan, Italy; ³IRCCS San Raffaele, DIMER, Dept of Neurology, Via Olgettina 48, 20132 Milan, Italy

Gknowmix.Com: A Gateway to Genomic Healthcare.

M.J. Kotze, C. Watt, T. Janse van Rensburg, T. Bunn

Department of Pathology, University of Stellenbosch, Tygerberg, South Africa

Personality's Profiles of teenagers and students: A comparative study performed in Timisoara, Romania.

Cristina Petrescu¹, Oana Suci¹, Sorin Ursoniu¹, Brigitha Vlaicu¹

“Victor Babes” University of Medicine and Pharmacy, Timisoara, Romania

Economic concerns about global healthcare: meeting the economic challenge of predictive, preventive, and personalized medicine.

C. Ausweger¹, E. Burgschwaiger¹, A. Kugler¹, R. Schmidbauer¹, I. Steinek¹, Y. Todorov¹, D. Thurnher², K. Krapfenbauer^{2,3}

¹University of Economics and Business, Althanstrasse 14, A-1090 Vienna, Austria; ²Department of Otorhinolaryngology, Head and Neck Surgery, Medical University of Vienna, Waehringer Guertel 18-20, A-1090 Vienna, Austria; ³European Association for Predictive, Preventive & Personalised Medicine, Brussels, Belgium

Influence of fluorescence and electrometry in estimated characteristic and remineralization therapy of teeth.

N.S. Moiseeva

Voronezh N.N. Burdenko State Medical Academy, Studencheskaya str., 10, 394000, Voronezh, Russia

Can pain management protocol be evidence based, physiological, safe and personalized? *Integrated concept.*

R.V. Bubnov

The Center of ultrasound diagnostics and interventional sonography, clinical hospital “Pheophania” of State Affairs Department, Kyiv, Ukraine

4th Congress-Day, September 18th, Sunday
Venue: University Bonn, Poppelsdorf, Nußallee 10

Plenary Lecture:
Dr. S. Srivastava, EDRN, NIH / NCI, USA
Lecture Hall A
9 am – 9:45 am

Specialised Session

Biomarker Discovery Validation, Standardisation & Practical Application in Medical Practice

Lecture Hall A

10:00 am - 1:00 pm

Chairmen: Prof. Dr. M. Ferrari, Centre for Genomics, Bioinformatics, and Biostatistics, San Raffaele Scientific Institute, Milan, Italy
Prof. Dr. J. Kzhyshkowska, Medical Faculty Mannheim, University of Heidelberg, Germany

Speakers:

- Prof. Dr. I. Gozes, Department of Human Molecular Genetics and Biochemistry, Sackler School of Medicine, Israel. **Preventive, Predictive, Personalized and Participatory Healthcare Impacted by Climate, Culture and Community in the Computerized World.**
- Prof. W. Lieb, Institute for Community Medicine, Ernst Moritz Arndt University Greifswald, Germany. **Approach to Individualized Medicine – (GANI_MED) – Standardisation of clinical data for research use.**
- Dr. Th. Joos, NMI Natural and Medical Sciences Institute at the University of Tübingen, Germany. **Immunoassays in multiplex for biomarker discovery and validation.**
- Dr. T. Waerner, Dr. K. Krapfenbauer, Boehringer-Ingelheim RCV GmbH & CoKG, Vienna, Austria. **The role of laboratory medicine in healthcare: Quality Requirements of immunoassays, standardisation and data management in prospective medicine.**

Short oral presentations:

- Dr. E. Moiseeva, Institute of Bioorganic Chemistry, Moscow, Russia. **The “4s” concept: How to augment the predictive value of preclinical research.**
- Dr. M. Pilugina, Krasnoyarsk State Medical University named after Prof. V.F. Vojno-Jasenetsky, Russia. **Role of Laboratory Testing of Polymorphic Allele Variants of Gene CYP2C9 of Isoenzyme 2C9 of Cytochrome P450 in Predictive, Preventive and Personalised Medicine on Epileptology.**
- Dr. P. Schulz-Knappe, Protagen AG, Dortmund, Germany. **Autoantibody Biomarkers for Prostate Cancer Detection.**
- Dr. J. Vrzalova, Immunoanalytic laboratory, Faculty Hospital and Faculty of Medicine in Pilsen, Charles University in Prague, Czech Republic. **Multiplex x MAP analysis – analytical tool for personalised medicine.**
- Dr. J. Walkenhorst, PROvendis, Germany. **Knowledge Transfer and Patenting Strategy in Predictive Medicine.**

Panel Discussion

Moderator: Dr. Ph. Jacon, Director General, European Diagnostic Manufacturers Association, EDMA

Panellists

Dr. G. Grech, Department of Pathology, University of Malta, Malta

Speakers

Poster Overview: Dr. K. Krapfenbauer, Boehringer-Ingelheim RCV GmbH, Austria

Posters related to the topic:

Systematic Development of Novel Antibody Biomarkers for Diagnostic Protein.

A. Lueking¹, A. Kowald¹, G. Bartsch², H. Klocker², H. Göhler¹, P. Amersdorfer¹, S. Muellner¹, P. Schulz-Knappe¹

¹Protagen AG, Dortmund, Germany; ²Dept. of Urology, Innsbruck Medical University, Austria

Evaluation of the Immunization Strategy Implementation in the Republic of Macedonia for the period 2004 – 2009.

N. Kamchev¹, M. Zdravkovska², V. Ivanovska¹, G. Kamcheva¹

¹Faculty of Medical Sciences, University Goce Delcev, Stip, Republic of Macedonia; ²Medical Faculty, University Ss. Cyril and Methodius, Skopje, Republic of Macedonia

Reproducibility of 3-Part Differential Hematology Analyzer Medonic CA620: a study after 3 years and 90 000 samples.

T. Ruskovska, N. Kamcev, G. Kamceva, N. Siljanovski

Faculty of Medical Sciences, University “Goce Delcev”, Stip, Macedonia

Activity of Antiseptic Solutions in relation to their physicochemical properties.

B. Gjorgjeska, C. Dimova

Faculty of Medical Sciences, Krste Misirkov bb, POB 201, 2000 Stip, Republic of Macedonia

Level of unsaturation of fatty acids in biodiverse biomasses and extracts: rapid assessment with FT-IR.

T.A. Egorova-Zachernyuk¹, A.M.A. Pistorius², W. J. DeGrip²

¹Protein Labelling Innovation (PLI), BioScience Park, Archimedesweg 27 2333 CM Leiden, The Netherlands;

²Nijmegen Centre for Molecular Life Sciences (NCMLS), RUNMC, P.O. Box 9101, NL-6500 HB Nijmegen, The Netherlands

Measurement of isotope enrichment in stable-isotope labeled biomasses and extracts: rapid assessment with FT-IR.

T.A. Egorova-Zachernyuk¹, A.M.A. Pistorius², W. J. DeGrip²

¹Protein Labelling Innovation (PLI), BioScience Park, Archimedesweg 27 2333 CM Leiden, The Netherlands;

²Nijmegen Centre for Molecular Life Sciences (NCMLS), RUNMC, P.O. Box 9101, NL-6500 HB Nijmegen, The Netherlands

Cost-effective stable isotope labelling of drug targets and protein therapeutics in insect and mammalian cell lines

T. A. Egorova-Zachernyuk¹, W. J. DeGrip²

¹Protein Labelling Innovation (PLI), BioScience Park, Archimedesweg 27 2333 CM Leiden, The Netherlands;

²Department of Biochemistry, NCML, Radboud University Medical Centre (RUNMC) P.O. Box 9101, NL-6500 HB Nijmegen, The Netherlands

Specialised Session

Patient-specific Modelling Bioinformatics in PPPM

Lecture Hall B

9:50 am - 11:20 am

Chairmen: Prof. Dr. H. Lemke, Computer Assisted Radiology and Surgery, CARS
Dr. M. Kapalla, Negentropic Systems, s.r.o., Ruzomberok, Slovakia

Speakers:

- Prof. Dr. H. Lemke, University of Southern California, Los Angeles, USA. **Medical and information technology aspects for personalised medicine.**
- Prof. Dr. L. Berliner, Weill Cornell Medical College of Cornell University, New York, USA. **Patient specific modelling and model guided therapy.**
- Dr. M. Kapalla, Negentropic Systems, s.r.o., Ruzomberok, Slovakia. **Interpretation of laboratory results in the complex predictive diagnostics: status quo and perspectives.**
- Dr. A. Shabo, IBM Research Lab in Haifa, Israel. **Meaningful use of patient-centric health records for personalized medicine.**
- Dr. M. Marcus-Kalish, Interdisciplinary Center for Technology Analysis and Forecasting, Tel Aviv University, Israel. **Multilevel, Multisource Bio- Medical rule discovery system – essential enabler to preventive, predictive and personalized medicine.**
- Prof. Dr. H. Podbielska, Wroclaw University of Technology, Poland. **Computer-assisted modelling of ocular parameters for personalized treatment in ophthalmology.**

Panel Discussion

Moderator: Prof. Dr. H. Podbielska, Wroclaw University, Poland

Panellists:

Speakers

Posters related to the topic

Question of choice, decision making in diagnostic imaging and intervention mistake prediction. Mathematical modeling approach.

R.V. Bubnov¹, I.M. Melnyk²

¹The Center of ultrasound diagnostics and interventional sonography, clinical hospital “Pheophania” of State Affairs Department, Kyiv, Ukraine; ²International Research and Training Center for Information Technology and Systems NAS and MES of Ukraine, Kyiv, Ukraine

Specialised Session

Bio-Banking

Ethics

Lecture Hall B

11:30 pm – 1:00 pm

Chairman: Prof. Dr. R. Hewitt, European, Middle Eastern and African Society for Biopreservation and Biobanking, France

- Prof. Dr. R. Hewitt, European, Middle Eastern and African Society for Biopreservation and Biobanking, France. **The European, Middle-Eastern and African Society for Biopreservation and Biobanking (ESBB): Current status and plans for the future.**
- Prof. Dr. P. Riegman, Erasmus MC Tissue Bank, Erasmus MC Rotterdam, The Netherlands. **Biobanking access rules and exchangeability in multi center medical research networks.**
- Prof. Dr. Ch. Chabannon, Institut Paoli-Calmettes & Université d'Aix-Marseille, France. **Hospital organization to provide access to samples and clinical data for translational and clinical research in oncology.**
- Prof. Dr. P. Hofman, Nice CHU Biobank, Pasteur Hospital, Nice, France. **Experience of collecting patient informed consent for research use of biospecimens in the Nice Chu Biobank, a member of the Canceropôle Paca Biobank Network.**
- Prof. Dr. H. Everaus, Tartu University Hospital, Tartu, Estonia, **Ethical aspects of personalized medicine.**

Panel Discussion

Moderator: Prof. Dr. H. Everaus, Tartu University Hospital, Tartu, Estonia

Panellists:

Speakers

Dr. Leitsalu, University of Tartu, Tartu, Estonia

Poster Overview: Prof. Dr. H. Everaus, Tartu University Hospital, Tartu, Estonia

Posters related to the topic:

Making the link: biobank and medicine.

L. Leitsalu¹, A. Metspalu^{1,2,3}

¹Estonian Genome Center, University of Tartu, Tartu, Estonia; ²Institute of Molecular and Cell Biology, University of Tartu, Tartu, Estonia; ³Estonian Biocentre, Tartu, Estonia

Awarding Ceremony:
A Prize for Best Poster Presentation by *The EPMA J*

Closing Ceremony

Lecture Hall A

1:15 am – 1:45 am

Lunch: 1:45 pm – 2:30 pm